BRUHAT BANGALORE MAHANAGARA PALIKE

PWD FORM - 45 (WORK SLIP)

Name of Work: Modified Estimate for Improvements to Ramachandrapura and Doddabommasandra Govt School in Ward No. 10 (Doddabommasandra), Vidyaranyapura Sub Division.

Name of Agency: Subbareddy K.V, # 106/B, Aswathnargara, RMV 2nd Stage, Bangalore - 94.

Estimated Cost: 20,00,000.00

Tender Amount : Rs. 21,36,002.84 Lakhs

Work Order No. BBMP/EE/BTP/WO/ /2018-19 Dated:

SL. No.	Description	Unit	Qty. as per Sanctioned Estimate			Qty. as per Tender			Actual executed Qty.	Qty. as per Actuals upto 125%			Qty. as per Actuals above 125%			Total Executed Amount	Savings	Excess	Remarks
			Qty.	Rate	Amount	Qty.	Rate	Amount		Qty.	Rate	Amount	Qty.	Rate 2015-16+/- T.P	Amount				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including	cum	18.58	1103.76	20507.86	18.58	1190.96	22128.04	18.58	18.58	1190.96	22132.00	0.00	0.00	0.00	22132.00		3.96	
2	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including	cum	27.47	263.52	7238.89	27.47	284.34	7810.82	27.47	27.47	284.34	7810.00	0.00	0.00	0.00	7810.00	0.82		
3	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in	Cum	87.94	204.12	17950.31	87.94	220.25	19368.79	99.42	99.42	220.25	21897.00	0.00	0.00	0.00	21897.00		2528.22	
4	Providing and laying in position **plain cement concrete of mix 1:4:8** with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse	Cum	12.14	5256.36	63812.21	12.14	5671.61	68853.35	33.40	15.18	5671.61	86067.00	18.23	5671.61	103385.00	189452.00		120598.65	
5	Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms	Cum	13.44	4521.96	60775.14	13.44	4879.19	65576.31	23.85	16.80	4879.19	81970.00	7.05	4879.19	34398.00	116368.00		50791.69	
6	Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15	Cum	8.00	5405.40	43243.20	8.00	5832.43	46659.44	8.59	8.59	5832.43	50077.00	0.00	0.00	0.00	50077.00		3417.56	
7	Providing and laying **cement concrete** using 20 mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete **(RMC) M 20** for R.C.C	Cum	45.87	6349.32	291243.31	45.87	6850.92	314251.70	43.68	43.68	6850.92	299221.00	0.00	0.00	0.00	299221.00	15030.70		
8	Providing and laying in position **reinforced cement concrete of design mix M20** with OPC cement @ 27.20kgs, with 12mm and down size graded granite metal coarse	Sqm	61.17	555.12	33956.69	61.17	598.97	36638.99	0.00	0.00	598.97	0.00	0.00	0.00	0.00	0.00	36638.99		
9	Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20cms, in depth, compacting each deposited layers by	Cum	87.94	137.16	12061.85	87.94	148.00	13015.12	99.42	99.42	148.00	14714.00	0.00	0.00	0.00	14714.00		1698.88	
10	Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a	Sqm	242.94	897.48	218033.79	242.94	968.38	235258.24	220.72	220.72	968.38	213741.00	0.00	0.00	0.00	213741.00	21517.24		

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			Qty.	Rate	Amount	Qty.	Rate	Amount		Qty.	Rate	Amount	Qty.	Rate 2015-16+/- T.P	Amount				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
11	Providing **T.M.T steel reinforcement for R.C.C work** including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever	Tonne	5.47	60534.00	331120.98	5.47	65316.19	357279.56	5.24	5.24	65316.19	342330.00	0.00	0.00	0.00	342330.00	14949.56		
12	KSRB 10-3 : Providing and laying integral cement based waterproofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces	Sqm	396.86	976.32	387462.36	396.86	1053.45	418072.17	355.38	355.38	1053.45	374372.00	0.00	0.00	0.00	374372.00	43700.17		
13	Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering, :	Sqm	103.84	235.44	24448.09	103.84	254.04	26379.51	63.03	63.03	254.04	16011.00	0.00	0.00	0.00	16011.00	10368.51		
14	Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherever required smooth rendering, :	Sqm	110.64	264.60	29275.34	110.64	285.50	31587.72	157.64	138.30	285.50	39485.00	19.34	285.50	5520.00	45005.00		13417.28	
15	Providing 18mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering, :	Sqm	153.96	213.84	32922.81	153.96	230.73	35523.19	161.40	161.40	230.73	37239.00	0.00	0.00	0.00	37239.00		1715.81	
16	Flooring with 25mm to 40mm thick polished **tandur blue stone slabs** using cement mortar 1:6, 25mm thick over existing cement concrete bed or top of roof	Sqm	107.96	1210.68	130705.01	107.96	1306.32	141030.31	58.84	58.84	1306.32	76857.00	0.00	0.00	0.00	76857.00	64173.31		
17	Providing and removing **centering, shuttering, strutting, propping** etc., for **chajjas, corbels** etc., including edges including cost of all materials, labour	Sqm	11.70	291.60	3411.72	11.70	314.64	3681.29	0.00	0.00	314.64	0.00	0.00	0.00	0.00	0.00	3681.29		
18	Providing and removing **centering, shuttering, strutting, propping** etc., for **columns, pillars, post and struts**, square / rectangular/ polygon in plan including cost	Sqm	116.93	395.28	46220.09	116.93	426.51	49871.81	80.27	80.27	426.51	34237.00	0.00	0.00	0.00	34237.00	15634.81		
19	Providing and removing **centering, shuttering, strutting, propping** etc., and removal of form work for flat surface such as suspended floors, roofs, landings,	Sqm	107.36	414.72	44524.34	107.36	447.48	48041.45	61.23	61.23	447.48	27397.00	0.00	0.00	0.00	27397.00	20644.45		
20	Providing and removing **centering, shuttering, strutting, propping** etc., and removal of form work for sides and soffits of **beams, beam haunchings, cantilever**	Sqm	105.78	276.48	29246.05	105.78	298.32	31556.29	79.74	79.74	298.32	23787.00	0.00	0.00	0.00	23787.00	7769.29		
21	Providing and fixing 1mm thick **M.S. sheet garage door** with frame and diagonal braces of size 40x40x6 mm angle Iron, 3.15mm thick M.S. Gusset plates at the	Sqm	2.52	2471.92	6229.24	2.52	2667.20	6721.34	7.56	3.15	2667.20	8402.00	4.41	2667.20	11762.00	20164.00		13442.66	
22	Providing and fixing in position in cement concrete 1:3:6 **steel glazed windows and ventilators** side hung/top hung fully openable as per approved drawings using	Sqm	23.40	3741.80	87558.12	23.40	4037.40	94475.16	4.74	4.74	4037.40	19137.00	0.00	0.00	0.00	19137.00	75338.16		
23	Providing and **applying two coats with oil bound washable distemper** of approved brand and shade on wall surface including priming coat with distemper	Sqm	214.48	76.68	16446.33	214.48	82.74	17746.08	220.66	220.66	82.74	18257.00	0.00	0.00	0.00	18257.00		510.92	

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			Qty.	Rate	Amount	Qty.	Rate	Amount		Qty.	Rate	Amount	Qty.	Rate 2015-16+/- T.P	Amount				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
24	Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface	Sqm	153.96	90.72	13967.25	153.96	97.89	15071.14	161.40	161.40	97.89	15799.00	0.00	0.00	0.00	15799.00		727.86	
25	Providing and fixing on wall surface 2.5 kg / sq.cm H.D.P.E. rain down water pipes 90 mm outer dia approved make and brand with necessary specials like shoes, bends	m	18.00	429.84	7737.12	18.00	463.80	8348.40	18.00	18.00	463.80	8348.00	0.00	0.00	0.00	8348.00	0.40		
26	Supplying and wiring adopting loop system in existing PVC Conduit / casing capping using 1100V grade, COPPER conductor flexible multistrand FRLS PVC insulated, 2	Point	3	245.00	735.00	3.00	264.36	793.08	3.00	3.00	264.36	793.00	0.00	0.00	0.00	793.00	0.08		
27	Supplying and flush mounting teak wooden box without front plank, made of not less than 12mm thick wood, after due groove cutting, Finishing with necessary cement	Each	2	68.00	136.00	2.00	73.37	146.74	2.00	2.00	73.37	147.00	0.00	0.00	0.00	147.00		0.26	
28	Supplying 4mm thick plastic sheet with necessary nitches for fixing switches, regulators etc., and fixing on existing wooden or metal box using N.F. screws.	SqCM	844	0.25	211.00	844.00	0.27	227.88	844.00	844.00	0.27	228.00	0.00	0.00	0.00	228.00		0.12	
29	Extra for Groove cutting in brick wall/CC floor to the suitable depth for concealing of Conduit/GI pipe and plastering, finishing upto wall surface complete. upto 50mm	Mtr	60	21.00	1260.00	60.00	22.66	1359.60	60.00	60.00	22.66	1360.00	0.00	0.00	0.00	1360.00		0.40	
30	Supplying heavy gauge PVC Conduit Pipe 19/20 mm dia 2 mm thick with suitable size bends, metal junction boxes adhesive paste etc., by groove cutting in the wall and	Mtr	60	56.00	3360.00	60.00	60.42	3625.20	60.00	60.00	60.42	3625.00	0.00	0.00	0.00	3625.00	0.20		
31	Supplying and fixing PBBC/Bakelite straight or slant batten holder and wiring with 60w/230 volts lamps.	Each	1	88.00	88.00	1.00	94.95	94.95	1.00	1.00	94.95	95.00	0.00	0.00	0.00	95.00		0.05	
32	Supplying patti type fluorescent tube light fitting of 2' - suitable for 14 watts fluorescent tube fitting, made out of M.S. Sheet and stove enameled with HF	Each	1	591.00	591.00	1.00	637.69	637.69	1.00	1.00	637.69	638.00	0.00	0.00	0.00	638.00		0.31	
33	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper with low conductor resistance single core wire in open or	Mtr	15	18.60	279.00	15.00	20.07	301.05	15.00	15.00	20.07	301.00	0.00	0.00	0.00	301.00	0.05		
34	Supplying and fixing cast Aluminum round or oblong type bulk head fitting with GI wire guard, glass cover with 60/100 watts 230V GLS lamp.	Each	4	747.00	2988.00	4.00	806.01	3224.04	4.00	4.00	806.01	3224.00	0.00	0.00	0.00	3224.00	0.04		
35	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr	No	1	2727.00	2727.00	1.00	2942.43	2942.43	1.00	1.00	2942.43	2942.00	0.00	0.00	0.00	2942.00	0.43		
36	Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sq.mm wire armoured)	Mtr	25.00	140.40	3510.00	25.00	151.49	3787.25	25.00	25.00	151.49	3787.00	0.00	0.00	0.00	3787.00	0.25		

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			Qty.	Rate	Amount	Qty.	Rate	Amount		Qty.	Rate	Amount	Qty.	Rate 2015-16+/- T.P	Amount				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
37	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.In existing trench/duct.	Mtr	25.00	10.80	270.00	25.00	11.65	291.25	25.00	25.00	11.65	291.00	0.00	0.00	0.00	291.00	0.25		
38	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete For Cutting Road Surface .(As	Mtr	20.00	85.00	1700.00	20.00	91.72	1834.40	20.00	20.00	91.72	1834.00	0.00	0.00	0.00	1834.00	0.40		
39	Supplying and fixing of class A (medium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG	Mtr	4.00	345.00	1380.00	4.00	372.26	1489.04	4.00	4.00	372.26	1489.00	0.00	0.00	0.00	1489.00	0.04		
40	Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals,	No.	1.00	280.00	280.00	1.00	302.12	302.12	1.00	1.00	302.12	302.00	0.00	0.00	0.00	302.00	0.12		
																2015408.00		208854.62	
	Sub Total				1979613.11														
	1% Third Party Inspection Charges				19796.13														
	Miscelaneous and unforgen charges	LS			591.00														
	Total				**2000000.00**			**2136002.94**								**2015408.00**	**329449.56**	**208854.62**	

9.78 %

Percentage Excess $\frac{208854.62}{2136002.94} \times 100$ = **9.78%**

Approved Tender Amount

Savitha.NK
Assistant Engineer

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division, Bangalore - 92

WORK SLIP APPROVED